USGS
science for a changing world

Earthquake Shaking — Green Alert

GSN
ANSS

USAID
FROM THE AMERICAN PEOPLE

PAGER
Version 3

M 5.6, 149 km NNW of Las Khorey, Somalia

Origin Time: 2023-12-05 07:31:33 UTC (Tue 10:31:33 local)
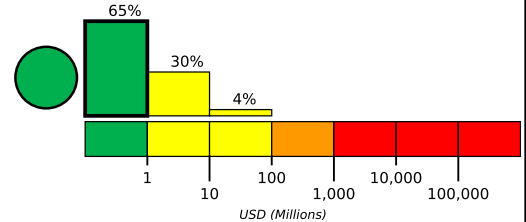Location: 12.2855° N 47.4426° E Depth: 10.0 km

Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.
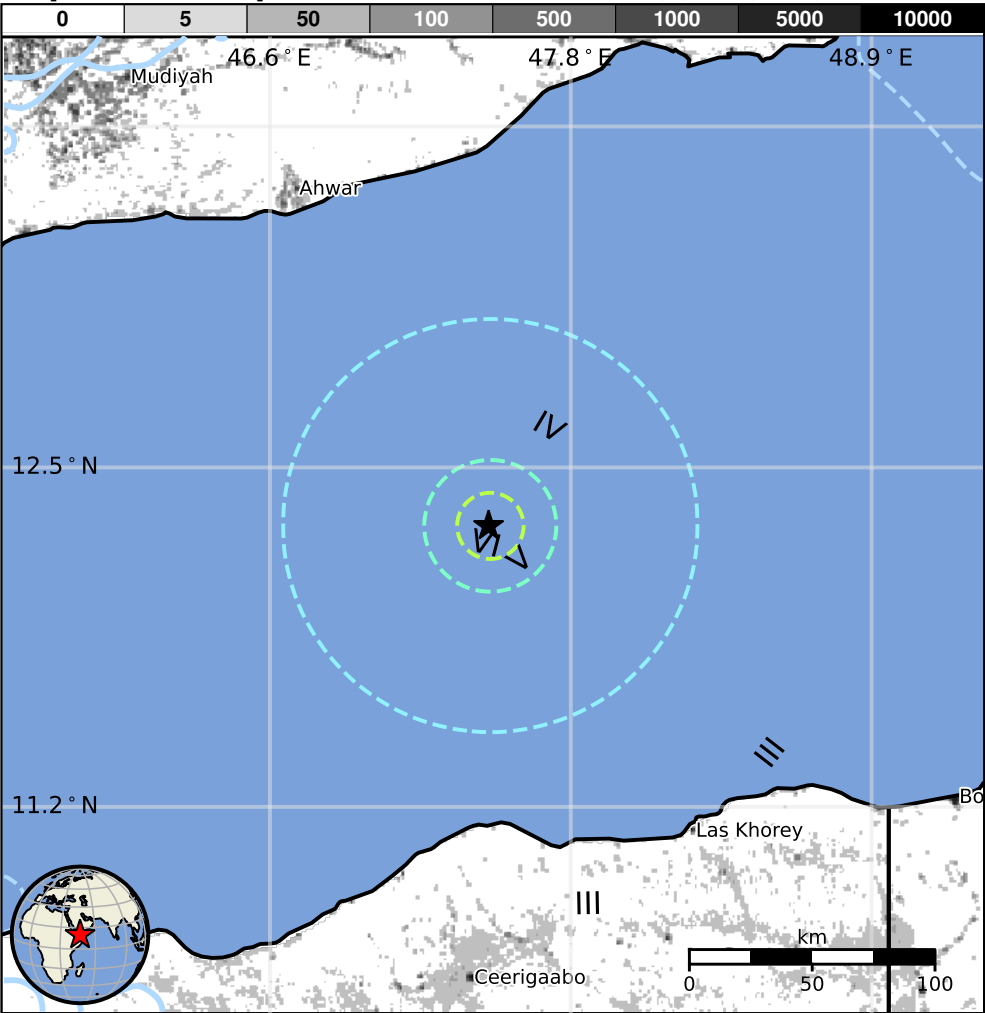

65%
30%
4%

1   10   100   1,000   10,000   100,000
Fatalities

Estimated Economic Losses

65%
30%
4%

1   10   100   1,000   10,000   100,000
USD (Millions)

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	878k*	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		**I**	**II-III**	**IV**	**V**	**VI**	**VII**	**VIII**	**IX**	**X+**
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

| 0 | 5 | 50 | 100 | 500 | 1000 | 5000 | 10000 |

Structures

Overall, the population in this region resides in structures that are extremely vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building type is low-rise non-ductile concrete frame with infill construction.

Historical Earthquakes

There were no earthquakes with significant population exposure to shaking within a 400 km radius of this event.

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	**Ahwar**	**<1k**
III	**Las Khorey**	**7k**
III	**Ceerigaabo**	**34k**
III	Jawf al Maqbabah	14k
III	**Mudiyah**	**<1k**
III	Al Mahfid	<1k
III	**Bosaso**	**74k**
III	Al Wuday'	<1k
III	Lawdar	<1k
III	Mukayras	<1k

bold cities appear on map.   (k = x1000)

Event ID: us7000lgch